

# Identifying the primary rigidity axes in the elastic system of a metal-cutting machine

Grechishnikov V., Khusainov R., Akhkiyamov D., Yurasov S., Yurasova O.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

## Abstract

© 2016, Allerton Press, Inc. A computer experiment based on CAE systems may be used to determine the primary rigidity axes in the supporting systems of metal-cutting machines. The formulation of the models, the experimental method, and the applicability of the method are considered.

<http://dx.doi.org/10.3103/S1068798X16080104>

---

## Keywords

primary rigidity axes, static elastic deformation, supporting system